

Trever Ehrfurth

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SUMMARY OF QUALIFICATIONS

Experienced Data, Security, and Platform Engineer with a strong focus on integrations, DevOps, and multi-layered security. Proven leadership in security administration, system architecture, and DevSecOps. I specialize in building and maintaining scalable, secure infrastructure through automation, redundancy, and containerization. Passionate about enabling teams through best practices, compliance, and developer advocacy—helping engineers grow while implementing tools that enhance their day-to-day efficiency.

WORK EXPERIENCE

Pandata Group

Manager – IT Systems

Madison, WI

Jan. 2025 – Present

- **Manage** development and production environments across the organization's **tech stack**, ensuring scalability and security.
- **Oversee** GitHub organization, including **repositories, permissions, and infrastructure**, to streamline collaboration and security.
- **Architect** and enforce **security policies, compliance frameworks, investigations, remediations, and disaster recovery plans**.
- **Automate** provisioning of **compliant workstations** for both onshore and offshore employees, enhancing operational efficiency.
- **Advise and lead** decision-making on **applications, products, budgeting, installations, and onboarding** to drive IT strategy.

Key Contributions:

- **Implemented SSO and SCIM** across the organization, enhancing identity management and security.
- **Deployed password and secrets management system** to protect credentials, reduce risk, and ensure **regulatory compliance**.
- **Developed and enforced** organization-wide security standards, strengthening **compliance and risk management**.
- **Designed, deployed, and maintained** multi-cloud, containerized operational tools, **improving DevOps efficiency**.
- **Implemented** and standardized **Terraform** for IaC, enabling **scalable and repeatable** infrastructure deployments.
- **Secured** and established **strategic partnerships** with **open-source and SaaS solutions** for internal and client use.
- **Conducted containerization, security, and IaC workshops**, upskilling developers across the organization.
- **Authored technical blogs** on security best practices, integrations, and automation to educate clients and the community.
- **Migrated business and sales teams** from **Zoho CRM Plus to Zoho One**, enhancing cross-team collaboration and reducing silos.

Security, DevOps & Platform Engineer

Feb. 2023 – Present

- Led **security initiatives** as primary security administrator for **SSO, SCIM, MFA, and network policies** across applications and tools.
- Architected and enforced security **SOPs**, reducing **threat surface** and enhancing **compliance monitoring and auditing**.
- Fostered **strategic partnerships** and integrated advanced data security platforms to **fortify security operations**.
- Designed and implemented **infrastructure and application security** enhancements across **AWS, Azure, Snowflake** and more.
- Built and optimized **CI/CD workflows** across **GitHub, Matillion, and Terraform** for version control, automation, and efficiency.
- **Reverse engineered** infrastructure in **AWS, Azure, Snowflake** and **Databricks** primarily into IaC with **Terraform**.
- Implemented hybrid **Terraform pipelines** between **Terraform Cloud** for non-technical teams and **S3 and DynamoDB**.
- Advised and deployed **Grafana, Datadog, and SigNos** for monitoring and observability for internal and client use cases.
- Managed and deployed **key operational tools** including **time entry systems, Wiki, and orchestration and automation tools**.
- Utilized **containerization** services like **Docker** and **Kubernetes** to deploy key applications and package services.

Skills & Tools: AWS | Azure | Terraform | Docker | Kubernetes | GitHub | Linux | Bitwarden | Wazuh | Grafana | Datadog | SigNos

Data Engineer Consultant

Feb. 2023 – Present

- **Monitor mid/junior level developers**, guiding them in tools, frameworks, and best practices until self-sufficient.
- **Built first corporate data warehouse** in **Matillion DPC**, collaborating with UK developers to troubleshoot and integrate features.
- Designed **scalable data systems** for collection, transformation, and loading, ensuring efficiency for business and analysts
- **Integrated APIs** to automate workflows, load client/vendor data, and provide application metrics for informed decision-making
- **Orchestrated data pipelines** using Snowflake, Matillion, Coalesce, AWS, Azure, and DBT across diverse industries and use cases.
- **Strengthened client relationships** through tailored solutions, effective communication, and business-focused data
- Researched and **implemented emerging technologies** to optimize project-specific solutions and drive innovation.

Tools and Skills: Snowflake | Databricks | Postgres | Matillion ETL & DPC | Coalesce | DBT | SQLMesh | Python

Verosint

Software Engineer/Data Engineer

Austin, TX

Mar. 2022 – Feb. 2023

- **Developed** and enhanced **Golang repositories**, optimizing **code performance** and **maintainability**.
- **Designed and configured** data solutions for **reporting and analytics** through **APIs**, improving system insights.
- **Established monitoring** and metrics in **Datadog**, increasing visibility into application performance and observability.
- **Researched and implemented** cost-effective **ETL tools** for integration with **Neo4j and AWS**, reducing infrastructure costs.
- **Conducted User Acceptance Testing (UAT)** for new features, validating functionality and ensuring alignment with requirements.
- **Performed code reviews**, providing feedback on **security, efficiency**, and adherence to **coding standards**.

Tools and Skills: Golang | GitHub | GitLab | DataDog | Neo4j | CI/CD | Kubernetes | Linux

Navitus

ETL/Data Engineer

Appleton, WI

Aug. 2019 – Mar. 2022

- Developed and **automated Informatica ETL pipelines**, serving **90% of company data** for key audits, compliance, and operations.
- Implemented **encryption and decryption** processes for **PHI and PII**, ensuring **regulatory compliance**.
- Managed workload allocation between **Government Programs** and **Operations teams**, balancing priorities effectively.
- **Engineered API-driven processes** to extract, transform, and load **CMS exports** into a **data warehouse**, improving audit efficiency.
- Wrote, tested, and optimized **ETL processes** to **improve data accuracy, performance, and reliability**.
- Led and conducted UAT for ETL workflows, ensuring **data integrity and compliance** with business requirements.
- Reviewed **SQL** and **ETL** code, identifying **efficiency improvements** and ensuring adherence to **data governance standards**.
- **Automated system monitoring and alerting** for critical ETL processes, proactively identifying and resolving data issues.

Tools and Skills: Informatica | Linux | Bash Scripting | ERD | Data Architecture | Data Normalization

Thrivent Financial

ETL/Data Engineer

Appleton, WI

May 2016 – Aug. 2019

- Developed **end-to-end data solutions** using **Informatica and Bash scripting**, aligning with business requirements.
- **Authored** Standard Operating Procedures (**SOPs**) for process design, development environments, and critical applications.
- **Mentored interns and contractors** in **Informatica best practices**, accelerating onboarding and project contributions.
- **Led business continuity planning** and **quarterly disaster recovery tests**, ensuring data integrity and system resilience.
- Wrote, tested, and deployed **ETL pipelines** to **streamline data transformations and automate workflows**.
- Executed **UAT** and troubleshooting for **ETL processes**, resolving **data inconsistencies and performance issues**.
- Reviewed and **optimized SQL queries**, enhancing **processing speed and database efficiency**.

Tools and Skills: Informatica | Linux | Bash Scripting | Data Governance | SQL Optimization | Workflow Automation

EDUCATION

St. Norbert College

Master of Business Administration

De Pere, WI

Sep. 2019 – 2022

- 3.9/4.0 GPA

University of Wisconsin – Green Bay

BS, Computer Science and German

Green Bay, WI

Sep. 2013 – May 2017

- Magna Cum Laude; 3.8/4.0 GPA

CERTIFICATIONS, SKILLS & INTERESTS

Certifications:

Informatica | Matillion | Snowflake

Technical Skills & Tools:

AWS | Azure | Terraform | Docker | Kubernetes | GitHub | Linux | Bitwarden | Wazuh | Grafana | Datadog | SigNos | Snowflake | Databricks | Postgres | Matillion ETL & DPC | Coalesce | DBT | SQLMesh | Python | Golang | GitLab | Neo4j | CI/CD | Informatica | Bash Scripting | ERD | Data Architecture | Data Normalization | Data Governance | SQL Optimization | Workflow Automation